

**AMENDMENT TO THE CLAIMS**

Please amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

**In the Claims:**

Claims 1-32 (Cancelled)

33. (New) A unidirectionally elastic bandage, adhesive on one side and used for supporting joints, comprising a backing layer, an adhesive layer and a releasable protective layer characterized in that the bandage is embodied as a segment and has an elasticity of the backing layer in the range of 20% to 150% and that the adhesive layer has an adhesion force of 0.1-100.0 N.
34. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the bandage segment is transversely elastic or longitudinally elastic.
35. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that one or more defined areas of the segment are made elastic.
36. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the elasticity of the backing layer lies in the range of between 20% and 80%.
37. (New) The unidirectionally elastic adhesive bandage as claimed in claim 36, characterized in that the elasticity of the backing layer lies in the range of between 40% and 70%.
38. (New) The unidirectionally elastic adhesive bandage as claimed in claim 37, characterized in that the elasticity of the backing layer lies in the range of between 44% and 56%.

39. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the adhesive is applied across the entire surface of or on a part of the underside of the carrier bandage or in the form of patterns.
40. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the adhesive composed of self-adhesive polymers is chosen from the group of polyacrylates, silicones, polyisobutylenes.
41. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the adhesive has an adhesion force of 1.0-10.0 N.
42. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the backing layer is microbiologically nondegradable to an extent of more than 90%.
43. (New) The unidirectionally elastic adhesive bandage as claimed in claim 42, characterized in that the backing layer is microbiologically nondegradable to an extent of more than 99%.
44. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the backing layer is breathable and allows water vapor to pass through.
45. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that of the backing layer is a woven fabric or a film or a combination of both made from viscose, polyester, polyamide, cotton or elastane.
46. (New) The unidirectionally elastic adhesive bandage as claimed in claim 45, characterized in that the backing layer is a polymer material chosen from the group of polyethylene, polypropylene, polyester.

47. (New) The unidirectionally elastic adhesive bandage as claimed in claim 46, characterized in that the material of the backing layer is polyalkylene terephthalates.
48. (New) The unidirectionally elastic adhesive bandage as claimed in claim 45, characterized in that the porosity of the film is in the range of 10 to 50%.
49. (New) The unidirectionally elastic adhesive bandage as claimed in claim 45, characterized in that the backing layer has a warp number in the range of 300-350, and a weft number in the range of 100-140.
50. (New) The unidirectionally elastic adhesive bandage as claimed in claim 49, characterized in that the backing layer has a warp number in the range of 310-330 and a weft number in the range of 120-130.
51. (New) The unidirectionally elastic adhesive bandage as claimed in claim 33, characterized in that the bandage segment is rectangular with a side ratio of length to width of 1.2:1 to 1.8:1.
52. (New) A method for producing unidirectionally elastic adhesive bandage segments as claimed in claim 33, said method comprising the following steps: coating silicone-treated paper/film with adhesive-containing solution, covering the laminate of releasable paper/film and adhesive layer with the unidirectionally elastic backing layer, and punching the bandage segments out from narrow or wide rolls.